

REMARKS

In the patent application, claims 1-26 are pending.

In the office action, claims 20-22 are allowed, claims 1, 2, 17-19, 24 and 26 are rejected, and claims 3-16 and 25 are objected to but would be allowable if rewritten in independent form.

At section 1 of the office action, claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by *Kaiser* (U.S. Patent No. 6,188,717). The Examiner states that *Kaiser* discloses a CDMA communications method as claimed.

It is respectfully submitted that *Kaiser* discloses a method of radio transmission wherein a device 16 (Figure 5) is used to add the cyclic prefixes in the parallel samples Chip n, chip n+1, ..., Chip n+m. As shown in Figure 4, the Data symbols k, k+1, ..., k+L are spread filtered by device 10 and summed in the symbol and chip synchronous adder 11. After this summing step, the date stream becomes a chip level coded stream. Thus, *Kaiser* discloses adding the cyclic prefix in chip level.

In contrast, claim 1 has the limitation that the prefixes are added to the data stream in the symbol level.

For the above reasons, *Kaiser* is irrelevant to the claimed invention.

At section 2, claims 17, 18, 19, 24 and 26 are rejected under 35 U.S.C. 102(e) as being anticipated by *Larsson* (U.S. Patent No. 6,842,487). The Examiner states that *Larsson* discloses adding cyclic prefix to the symbol to be transmitted (col.7, lines 7-11).

It is respectfully submitted that *Larsson* discloses a multi-carrier communications system wherein prefixes are added (step 1230 of Figure 12) after the received symbols are converted from frequency domain to time domain (step 1210). The symbols are then transmitted (step 1235). No spreading is carried out in such a multicarrier system.

In contrast, in the claimed invention, spreading is carried out after prefixes are added to the data stream in the symbol level.

For the above reasons, *Larsson* is irrelevant to the claimed invention.

At section 3, claims 20-22 are allowed, and claims 3-16 and 25 are objected to but would be allowable if rewritten in independent form.

Thus, claims 1-26 are allowable over the cited *Kaiser* and *Larsson* references. Early allowance of all pending claims is earnestly solicited.

Respectfully submitted,

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